

CLAIMS:

I claim:

1 1. A laser supporting attachment for a laser
2 alignment system comprising:

3 a laser module;

4 a mandrel having a laser module attaching support
5 on one end thereof for attaching said laser module
6 thereto and a mandrel to wheel adapter connection on
7 the other end thereof, said mandrel having a slot
8 formed in the side thereof and being hollow therein;

9 a mandrel to wheel adapter removably attachable
10 to said mandrel on the mandrel to wheel adapter
11 connection for attaching said mandrel to a specific
12 vehicle; and

13 an adapter holding plate having a threaded
14 opening therein and being sized to fit in said mandrel
15 slot for bolting said mandrel to wheel adapter to said
16 mandrel from one end thereof; and

17 a threaded bolt removably fastening said mandrel
18 to wheel adapter to said mandrel and adapter holding
19 plate whereby a laser module can be readily attached
20 to a vehicle wheel spindle or hub.

1 2. A laser supporting attachment for a laser
2 alignment system in accordance with claim 1 in which
3 said adapter holding plate has a curved top to match
4 the curve in said mandrel.

1 3. A laser supporting attachment for a laser
2 alignment system in accordance with claim 2 in which
3 said mandrel laser module attaching support includes
4 a cradle for cradling said laser module therein.

1 4. A laser supporting attachment for a laser
2 alignment system in accordance with claim 3 in which
3 said mandrel has an opening therein located adjacent
4 said laser module cradle for holding a bolt for
5 bolting said laser module to said mandrel.

1 5. A laser supporting attachment for a laser
2 alignment system in accordance with claim 4 in which
3 said mandrel to wheel adapter is threaded for
4 attaching to a spindle threads.

1 6. A laser supporting attachment for a laser
2 alignment system in accordance with claim 4 in which
3 said mandrel to wheel adapter has a flange with a
4 plurality of holes therein aligned for attaching to a
5 wheel hub.

1 7. A method of supporting a laser for a laser
2 alignment system comprising the steps of:
3 selecting a laser module;
4 selecting a mandrel having a laser module
5 attaching support on one end thereof for attaching
6 said laser module thereto and a mandrel to wheel
7 adapter connection on the other end thereof, said
8 mandrel having a slot formed in the side thereof and
9 being hollow therein;
10 selecting a mandrel to wheel adapter removably
11 attachable to said mandrel on the mandrel to wheel
12 adapter connection for attaching said mandrel to a
13 specific vehicle;
14 selecting an adapter holding plate having a
15 threaded opening therein and being sized to fit in
16 said mandrel slot for bolting said mandrel to wheel
17 adapter to said mandrel from one end thereof;
18 sliding said adapter holding plate into the slot
19 in the side of said mandrel;
20 bolting said selected mandrel to wheel adapter to
21 said mandrel and adapter holding plate; and
22 attaching said mandrel and laser module to the
23 wheel of a vehicle.